

47000-71

2/6/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

**FEB - 6 2013**

Mr. Steven Rogosheske  
Chem-Tech, Ltd.  
4515 Fleur Drive, #303  
Des Moines, IA 50321

Dear Mr. Rogosheske:

Subject: Application for Pesticide Notification (PRN 98-10)  
Add Alternate Brand Name: TurboCide Advanced Fogging Products VAP-20  
VAP 20 Aerosol Insecticide  
EPA Reg. No. 47000-71  
Your submission dated January 2, 2013

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated January 2, 2013 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records. The Agency's records will be updated to include the Alternate Brand Name: TurboCide Advanced Fogging Products VAP-20.

If you have any questions regarding this letter, please contact Dana Pilitt, PhD of my staff at (703) 305-7071 or via e-mail at [pilitt.dana@epa.gov](mailto:pilitt.dana@epa.gov).

Sincerely,  
  
Mark Suarez  
Product Manager 13  
Insecticide Branch  
Registration Division (7505P)



**Restricted Use Pesticide**  
**Due to eye irritation**  
 For retail sale to and use only by Certified Applicators or persons under their direct supervision  
 And only for those uses covered by the Certified Applicator's certification

**TurboCide® Advanced Fogging Products VAP-20**  
**AEROSOL INSECTICIDE**

Text in Brackets [ ] represent optional text which may or may not appear on final printed label.  
 [This Aerosol System Employs Liquid Carbon Dioxide as a Solvent and Propellant.]  
 [To be used with Aerotech® Spray Systems.]  
 [No Cylinders to Dispose of.]  
 [These Cylinders are returned to the manufacturer for refilling.]

**NOTIFICATION**

**FEB - 6 2013**

<b>ACTIVE INGREDIENTS:</b>	
Dichlorvos (2,2-dichlorovinyl dimethyl phosphate)....	20%
<b>OTHER INGREDIENTS:</b> .....	<b>80%</b>
<b>TOTAL</b>	<b>100%</b>

TurboCide® is a registered Trademark of Chem-Tech, Ltd.  
 AeroTech® is a registered Trademark of Industrial Fumigant Company

**KEEP OUT OF REACH OF CHILDREN**

**DANGER                      PELIGRO**

**FIRST AID**

- **If in Eyes:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call poison control center or doctor for treatment advice.
- **If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call poison control center or doctor for treatment advice.
- **If Swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor.
- **If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call poison control center or doctor for treatment advice.

**HOT LINE NUMBER**

Have product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information regarding Vap 20, call 888-913-4432,

**NOTE TO PHYSICIAN**

**SYMPTOMS:** Symptoms include weakness, headaches, tightness in chest, blurred vision, non-reactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps.

**TREATMENT:** Atropine is the specific therapeutic antagonist of choice against parasympathetic nervous stimulations. If there are signs of parasympathetic stimulation, atropine should be injected at 10 minute intervals, in doses of 1 to 2 milligrams until complete atropinization has occurred. Morphine is contraindicated. Clear chest by postural drainage. Oxygen administration may be necessary. 2-PAM is also antidotal and may be administered in conjunction with atropine. Observe patient continuously for 48 hours. Repeated exposure to cholinesterase inhibitors may, without warning, cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further

exposure until cholinesterase regeneration has been attained as determined by blood test. Probable mucosal damage may contraindicate the use of gastric lavage.  
Corrosive to eyes. Causes irreversible eye damage.

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**DANGER**

Corrosive. Causes irreversible eye damage. May be fatal if absorbed through the skin. Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in on skin, in eyes, or on clothing.

**Personal Protective Equipment (PPE)**

Mixers, loaders, applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants.
- Socks and chemical-resistant footwear.
- Chemical-resistant gloves made of Barrier Laminate or Viton
- Goggles or face shield.
- Chemical-resistant headgear for overhead exposure.
- A NIOSH-approved respirator with - an organic- vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number TX-23C), or - a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or an organic vapor removing cartridge or canister with any N, R, P, or HE prefilter.
- Chemical-resistant apron when mixing, loading or cleaning equipment.

**User Safety Requirements**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this products concentrate. Do not reuse them.

**User Safety Recommendations**

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposing of equipment washwaters or rinsate.

**PHYSICAL OR CHEMICAL HAZARDS**

Contents under pressure. Do not puncture. Do not use or store near heat or open flame. Exposure to temperatures above 130° F may cause bursting. Never throw container into fire or incinerator.

**DIRECTIONS FOR USE**

**Restricted Use Pesticide**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**GENERAL PRECAUTIONS AND RESTRICTIONS**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only handlers wearing specified PPE may be in the area during application.

**NOTE: USE IS PROHIBITED IN:**

Food/feed manufacturing establishments: bottling plants (including wineries, breweries, soft drinks), frozen food/feed (including pizza and ice cream plants), excluding non-food/feed manufacturing areas. Food/feed processing establishments: meat, poultry and seafood slaughtering and/or packing

plants (including edible fats and oils), frozen food/feed plants (including fruit and vegetables), dairy product plants (including milk processing plants), excluding non-food/feed processing areas.

**NOTIFICATION:** Before the start of the application, post fumigant warning signs at all entrances to the building. The signs must bear the skull and crossbones symbol and state: (1) "DANGER/PELIGRO" (2) "Building under fumigation, DO NOT ENTER/NO ENTRE," (3) the date and time of fumigation, (4) "DDVP (or use brand name) Fumigant in use," and name, address and telephone number of the applicator. The signs must be located prominently at each entrance, using a sign size and letter size that makes the sign clearly legible. All signs must be removed after the ventilation is complete and before routine entry by unprotected persons is permitted.

Entry by any person – other than a correctly trained and equipped handler who is performing a task related to ventilation or air concentration monitoring and who is wearing the personal protective equipment required for handlers – is PROHIBITED in the entire enclosed structure/building from the start of application until ventilation is complete. Ventilation is complete either when 24 hours have elapsed following application and the building has been opened and aired or when a direct-indication short-term concentration monitoring device (e.g. Draeger tube) indicates that the DDVP air concentration is equal to, or less than 0.050 ppm (50% of the OSHA PEL). For California – 0.01 ppm or less.

Use in residential sites as a crack and crevice or space spray is prohibited.

**VAP-20** is a specially formulated insecticide designed for use in the control of exposed stages of stored products insects infesting warehouses, silos, bulk bins and food/feed processing, food/feed manufacturing, handling and storage plants containing non-perishable, packaged or bagged raw or processed food/feed commodities or bulk raw or processed food/feed commodities and non-food/feed areas of processing and manufacturing plants.

Non-food/feed processing and manufacturing plant use areas include garbage rooms, lavatories, floor drains (to sewer entries and vestibules), offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

The term "non-perishable" means any raw or processed food/feed not subject to rapid decay or deterioration that would render it unfit for consumption.

Raw commodities would include: animal feed, cocoa beans, dried beans, grain crops, peanuts, soybeans and nut crops. Raw commodities do not include: eggs, milk, meat, poultry, fish, fresh fruits and vegetables.

Processed food/feed would include: flour, sugar, cereals, packaged goods and crackers. Processed food/feed do not include: hermetically sealed food/feed or manufactured dairy products and other processed food/feed requiring freezing or refrigeration.

When using in food/feed processing, food/feed manufacturing, handling and storage areas: Apply only during times when plant is not in operation and no food/feed products are exposed. If bulk, unpackaged food/feed are exposed, remove or cover before treatment begins. All food/feed processing surfaces should be covered during treatment or thoroughly cleaned before using.

#### **USE AND APPLICATION DIRECTIONS:**

For the control of exposed stages and the prevention of migration of most species of stored product insects, granary weevils, rice weevils, confused flour beetles, saw-toothed grain beetles, cigarette beetles, Indian mealmoths, and cocoa bean moths.

**FOGGING-VAP-20** should be applied with a timer or device at the rate of 2.5 to 10 grams per 1000 cubic feet. (This gives 0.5 to 2 grams of actual DDVP per 1000 cubic ft.) This cylinder contains 9,080 gms of 20% DDVP. This will yield 72 treatments of 50,000 cubic feet at 2.5 gms per 1000 cu. Ft. **VAP-20** continues to kill insects from 2 to 4 hours after application. VAP-20 does not penetrate containers and infested products should be treated by other methods approved for this purpose.

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Treatment should be made during hours when buildings are unoccupied. Buildings should be closed and ventilation kept at a minimum during application of the insecticide. Lock all entrances and do not allow unprotected workers to enter building when being treated.

Keep a minimum 7 day interval between applications except on cocoa beans and raw (unshelled) peanuts where daily applications do not exceed 0.5 grams a.i. per 1000 cubic feet of head space.

Do not make applications when temperatures are below 60° F.

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** This cylinder must be checked periodically. A defective cylinder should not be used. A cylinder that has parts missing, is plainly worn or distorted should be replaced immediately. Store upright in a cool and dry area.

**PESTICIDE DISPOSAL:** Pesticide that cannot be used according to label instructions must be returned to the point of purchase in its original container.

**CONTAINER DISPOSAL:** This cylinder must not be disposed of in any manner. Cylinders must be returned to point of purchase for credit. All cylinders, valves and caps remain the property of the manufacturer. Federal regulations prohibit the refilling of cylinders without written consent of the manufacturer.

#### NOTICE

It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Chem-Tech, Ltd, the manufacturer or seller. To the extent consistent with applicable law, Chem-Tech, Ltd, the manufacturer or seller shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product.

Except as warranted by this label, Chem-Tech, Ltd, the manufacturer or seller makes no warranties, guarantees, or representations of any kind, either express or implied, or by usage of trade, statutory or otherwise with regard to the product sold or use of the product, including, but not limited to, merchantability, fitness for a particular purpose or use, or eligibility of the product for any particular trade usage. To the extent consistent with applicable law, buyer's or user's exclusive remedy, and Chem-Tech, Ltd's, the manufacturer's or seller's total liability shall be limited to damages not exceeding the cost of the product.

**EPA Reg. No. 47000-71**

**EPA Est. No. 47000-IA-01**

**NET CONTENTS: 20 LBS.(9080 GRAMS)**

Manufactured By:  
Chem-Tech, Ltd.  
4515 Fleur Dr.  
Des Moines, IA 50321

8/30/12 per EPA Stamped label